

Lecture Module - Electrical Instruments

ME3023 - Measurements in Mechanical Systems

Mechanical Engineering

Tennessee Technological University

Topic 2 - Prototype Circuits

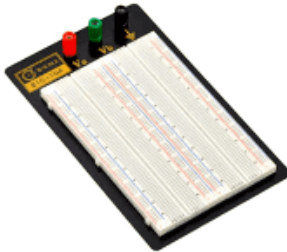
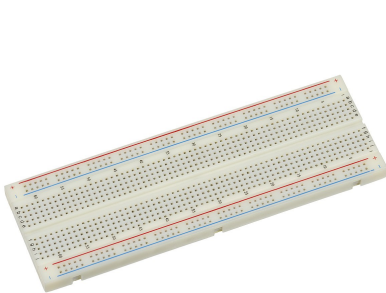
Topic 2 - Prototype Circuits

- Circuits for Mechanical Engineers
- Using a Solderless Breadboard
- Using a Desktop Power Supply
- Examples

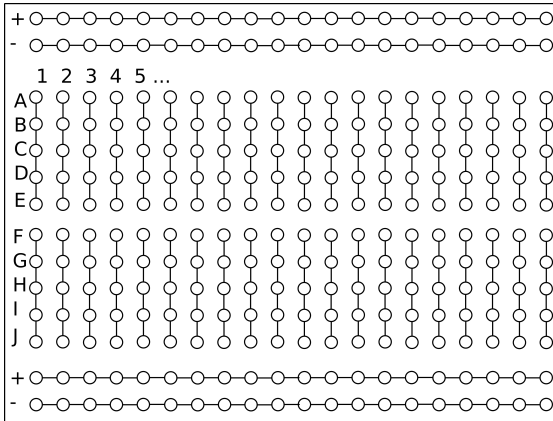
Circuits for Mechanical Engineers

Engineering is an integrated field...

Using a Solderless Breadboard

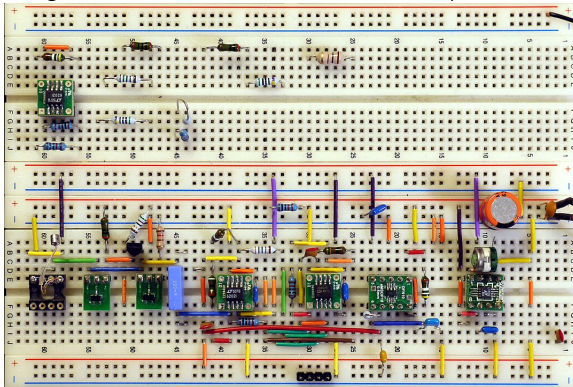


Using a Solderless Breadboard



Using a Solderless Breadboard

Question: Why is the breadboard separated into sections? (note: this image shows 4 - top,bottom,top,bottom)



Using a Solderless Breadboard

Pros:

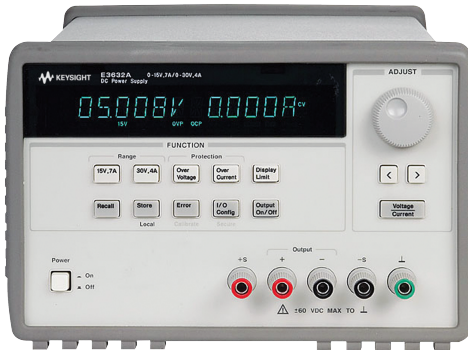
Cons:

Common Mistakes:

Using a Desktop Power Supply



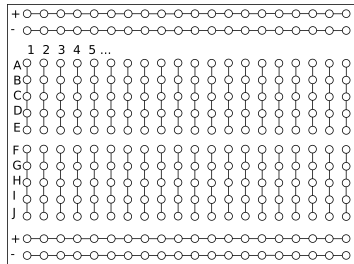
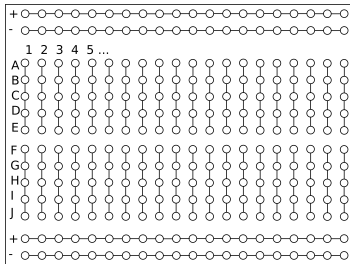
Using a Desktop Power Supply



Using a Desktop Power Supply

- - Safety
- - Damage
- - Control

Examples



Examples

